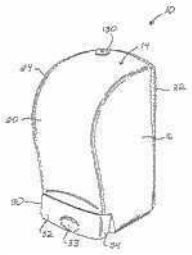
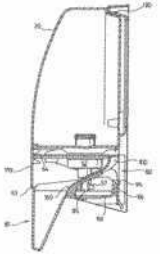
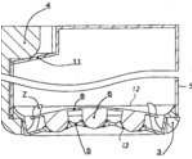
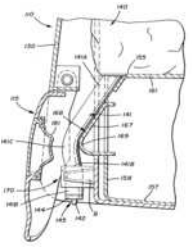
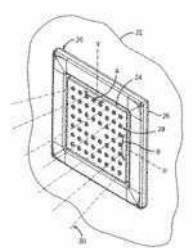
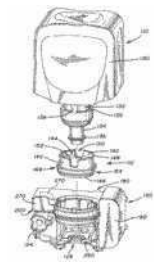


97 filtered results for 1 AND 6 - Collection: FAMPAT

#	Title	Publication number	Publ. date	Applicant/Assignee	
1.	Self-contained viscous liquid dispenser	WO200249490	2002-06-27	KIMBERLY CLARK* KIMBERLY CLARK WORLDWIDE	
A viscous liquid dispenser includes a housing that defines an internal liquid reservoir. A dispensing pump mechanism is disposed at least partially within the reservoir and has a delivery end extending out of the reservoir. A mounting mechanism is configured as an integral component of the housing and provides the dispenser with the ability to be detachable connected to complimentary mounting structure on a wall surface. A unique dispensing pump mechanism is also provided for use with any manner of viscous liquid dispenser.					
2.	Cantilevered spring	GB0516083	2005-09-14	GOTOKO COM INK CANADA ONTARIO STATE L EL 0 R 1 BEE 4 BEAMSVILLE CHRISTI DRIVE 4 7 4 3 HYGIENE TECHNIK OPHARDT*	
A spring mechanism comprising an elongate cantilevered spring member extending along a longitudinal coupled at a first end to a first member and with a distal, second end of the spring member engaging a second member such that the spring member biases the first and second members relative to each other. The spring member has an unbiased condition and being resiliently deflectable generally normal to its longitudinal to assume deflected conditions from which the spring member inherently attempts to return to its unbiased condition. The longitudinal of the spring member preferably remains disposed in a flat plane in deflecting of the spring member between the unbiased condition and the deflected conditions. The spring member preferably has, in cross-section normal to its longitudinal, a shape including two legs disposed to lie in planes parallel the flat plane and joined by a bight normal to the flat plane. Preferably, the spring member is provided with resiliency substantially by the resilient deflection of opposed portions of the two legs towards and/or away from each other normal to the flat plane. The spring member preferably consists of plastic material and may be formed as an integral element injection molded from plastic as a unitary element together with the first member to which it is coupled.					
3.	Liquid reservoir with dispenser head fixed on a wall holder for storing and dispensing e.g. cleaning liquid, has elliptical ring arranged on funnel-shaped portion at bottom end of base plate, and resting on base plate	DE10319896	2004-12-09	PUESCHEL THOMAS*	
The reservoir has a strong base plate with flat top side. A funnel-shaped portion (2) is formed at the bottom end of the base plate. An elliptical ring (3) is arranged on the funnel-shaped portion, such that the elliptical ring rests on the base plate. A clamping ring (4) is fixed at the center on the top end of the base plate, and arranged perpendicular to the elliptical ring.					
4.	Dispenser adapter	CN1520775	2004-08-18	JOSEPH S KANFER KANFER JOSEPH S*	
An adaptor assembly is selectively received in a dispenser so that the dispenser may selectively receive first and second types of cartridge and pump assemblies. The dispenser is configured to receive a cartridge and pump of a first type, and the adapter assembly, when selectively received in the dispenser, adapts the interior of the dispenser to receive a cartridge and pump of a second type.					
5.	Bodyspray having adjustable spray orientation	US20060196972	2006-09-07	KOHLER* KOULER KO	
A bodyspray assembly is provided that includes a coupling assembly (66) connected to a spray face (24). The spray face is operable to emit a directed spray having an omnidirectionally adjustable angular orientation. Hence, a spray face in the form of a tile having an array of outlets can direct spray in a variety of directions, or be parallel to a mounting wall for decorative purposes.					

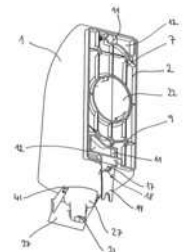
6. **Refill container with rfid for liquid dispenser** BRPI0505505 2006-02-14 **JOSEPH KANFER**
JOSEPH S CAMPER
JOSEPH S KANFER
KANFER*
KANFER JOSEPH
KANFER JOSEPH S

A dispensing system is disclosed which utilizes an electronically powered key device and/or identification code associated with a refill container to preclude the need for mechanical keys. The system utilizes a near field frequency response to determine whether a refill container is compatible with a dispensing system. In particular, the refill container is provided with a coil terminated by one of a number of capacitors. The container is received in a housing that provides a pair of coils that are in a spatial relationship with the installed refill container's coil. By energizing one of the housing's coils, the other coil detects a unique electronic signature generated by the container's coil. If the signature is acceptable, the dispensing system is allowed to dispense a quantity of material. The system also provides a unique latching mechanism to retain the container and ensure positioning of all the coils.



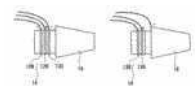
7. **Dispenser valve** DE20312731 2004-02-26 **JM METZGER**
METZGER CONCEPT*

The invention relates to a dispenser valve for the dosed distribution of a liquid or pasty medium contained in a receiving region of a reservoir. Said dispenser valve comprises a valve chamber (28) having an inlet (30) for connecting to the receiving region of the reservoir, and an outlet (31) via which the medium can be discharged in a dosed manner. Said dispenser valve is embodied in such a way that, in a pump phase, the liquid or pasty medium is delivered out of the valve chamber (28) through the outlet (31), and in a post-flow phase, the liquid or pasty medium flows from the receiving region of the reservoir (1) into the valve chamber (28) via the inlet (30). At least one inlet-side displaceable element (33) closes the inlet in the pump phase (30) and releases the same in the post-flow phase, and an outlet-side displaceable element (34) releases the outlet (31) only in the pump phase. The invention is characterised in that the inlet-side and the outlet-side displaceable elements (33,34) are formed by at least one elastic body (32) arranged in the valve chamber.



8. **Ultrasonic washing device** WO2004075706 2004-09-10 **PANASONIC ELECTRIC WORKS***

In an ultrasonic washer for washing by splaying washing toward an object to be washed or a portion to be washed from a front end of a nozzle, a part of an ultrasonic wave propagation member connected to an ultrasonic transducer is protruded into a cavity of the nozzle into which the washing is filled in order to propagate ultrasonic vibration generated by the ultrasonic transducer to the washing efficiently. Furthermore, the ultrasonic wave propagation member is formed so that a cross-sectional area becomes gradually smaller as approaching to the front end thereof, so that the ultrasonic vibration is converged to the end face of the ultrasonic wave propagation member. Still furthermore, a length of the ultrasonic transducer and the ultrasonic wave propagation member is made to be integral multiplication of a half-wavelength of ultrasonic standing wave oscillation, and the end face of the ultrasonic wave propagation member from which the ultrasonic wave is emitted to the washing is disposed at a position of antinode of the ultrasonic standing wave oscillation where the amplitude becomes the largest. <IMAGE>



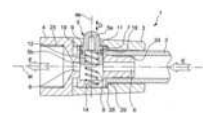
9. **Closure unit, mold for producing same, and dispenser-container incorporating a closure unit** IL160416 2004-07-25 **ALBAAD MASSUOT YITZHAK***

A closure unit for selectively closing a package of wipes or the like is formed as an integral unit typically in or close to the closed position, and has a flap hinged with respect to a frame defining an opening for enabling dispensing of the wipes or the like therethrough. Break lines between the flap and the frame enable the flap to be torn from the frame at first use, and suitable positive locking means enable the flap to be reclosed with respect to the frame. The structure of the unit is such that no portion of the flap substantially overlaps any portion of the frame when the unit is initially formed, and thus then unit may be formed in or close to the closed position, particularly from sheet material.



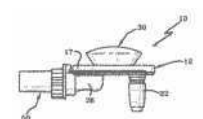
10. **Shower pipe incorporating a two-way valve, and two-way valve for a shower pipe** US20060005311 2006-01-12 **FENTROUCI HASNNE**

The shower pipe comprises a flexible hose (2) connected to a two-way valve, which comprises a body (3) inside which is accommodated a portion of a core (4) through which passes a longitudinal water passage (6). The valve comprises an actuating system (5) with a valve closure member, means (7) for guiding the actuating system in the core (4) and means (8) for returning the actuating system to a rest position. The actuating system (5) with the valve closure member is adapted to be moved in a direction (D) substantially perpendicular to the longitudinal axis of the passage (6) between a position of partial or complete closure with a portion of the system forming the valve closure member (5 b) and a rest position. The actuating system (5) with the valve closure member further comprises an upper portion (5 a) projecting out of the valve body (3). This upper portion (5 a) is preferably rounded to allow movement of the system from the rest position to the position of partial or complete closure of the passage (6) when the valve is inserted into a housing of a wall-mounted showerhead holder whose shape is complementary to the exterior shape of the body (3) of the valve.



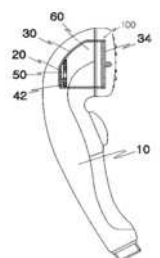
11. **Bellows pump mechanism** BRPI0604810 2007-01-02 **JOSEPH KANFER**
JOSEPH S CAMPER
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KANFER JOSEPH S*

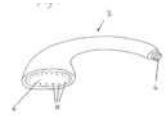
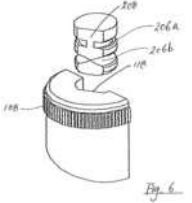
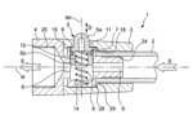
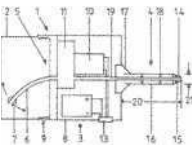
A bellows-type pump 10 includes a body portion 12 with an inlet 18 and an outlet 20. A bellows member 30 is secured to the body portion 12 and provides a dosage volume V that communicates with both the inlet and outlet. Compressing the bellows member causes a sealing web 34 thereof to contact the inlet 18 and seal the same against the flow of product from within the dosage volume. The sealing web 34 does not cover the outlet 20 upon compression of the bellows member 30 and, thus, product is dispensed through the outlet 20 upon such compression. Expansion of the bellows member 30 draws product in through the inlet.

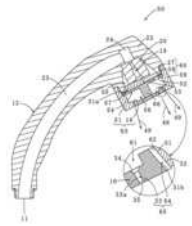
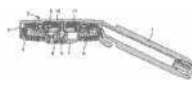
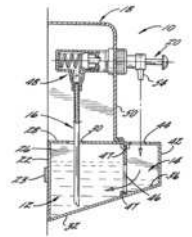
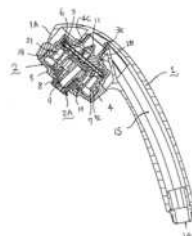
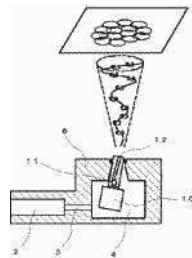
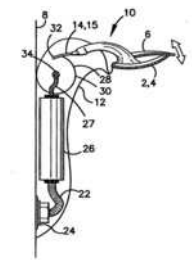
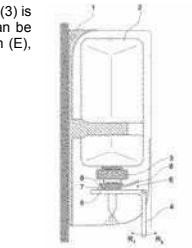


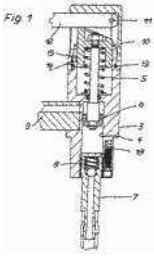
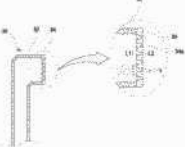
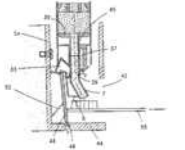
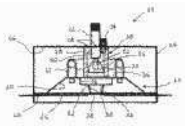
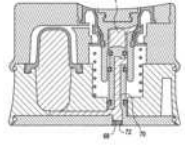
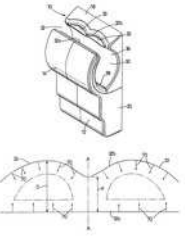
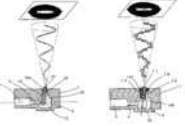
12. **Shower apparatus** KR20050080119 2005-08-11 **K N N TECHNOLOGY**
K N TECHNOLOGY*
KEHJ EHN TEKH KO

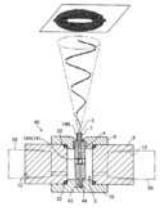
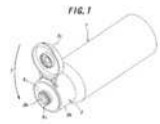
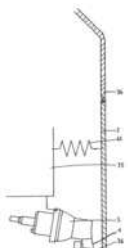
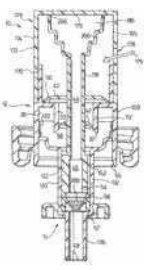
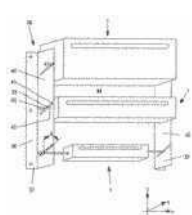
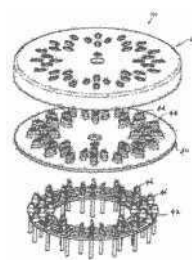
The present invention relates to a shower apparatus having a watering plate, a water saving device and a gel filling portion in that a latching button for pushing an opening and closing ball and opening water paths is provided in such a manner that the supply of water is performed in a state that a shower head is placed horizontally or lower than a hose connection portion in height and the area of water paths formed at an inside thereof is larger than that of a waterway hole, whereby firmly opening and closing the waterway hole by means of the ball. Also, the present invention relates to a shower apparatus having a watering plate, a water saving device and a gel filling portion, in that a filter is provided so that it can easily remove external materials such as a rust and so on contained in the water of the shower head, a watering hole is slightly larger than the external material in size, so that it can previously prevent the watering hole from being blocked, a watering portion provided with a plurality of first watering holes is formed at the outside of the central portion of the watering plate, so that the water is equally jetted out the skin of the human body thereby increasing the shower efficiency, and the water is jetted out in the form of a triangle through the watering holes of a triangular shape, so that it can obtain the increasing effect of a negative ion.

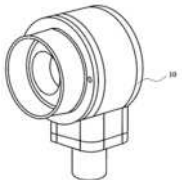
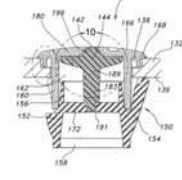
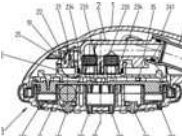
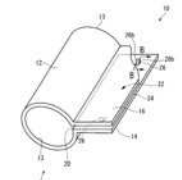
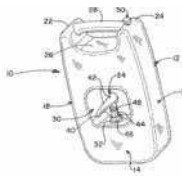
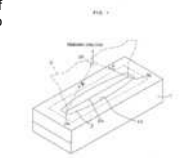


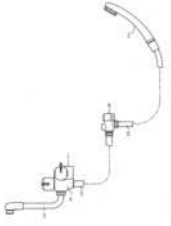
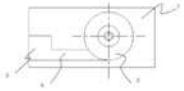
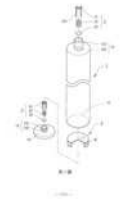
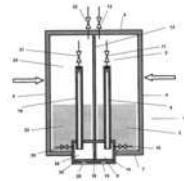
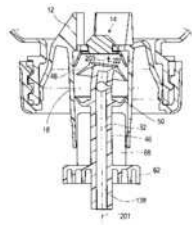
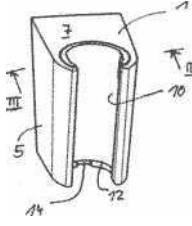
13.	Fluid jetting apparatus	JP2005118761	2005-05-12	TOTO*	
PROBLEM TO BE SOLVED: To diversify the jetting of a fluid when the fluid such as cleaning water is jetted to an inclined direction while causing the swinging revolving motion or rotating motion of a jetting body. SOLUTION: The jetting body has a jetting port facing the outside from a flow-in chamber opening and is freely suspended in a state that the vicinity of the jetting port is in contact with the inside wall of the flow-in chamber and carries out the swinging revolving motion revolving while swinging at a tilt angle α to the central axis of the opening and the rotating motion rotating around the central axis of the jetting body. A pipe conduit for introducing the fluid to the jetting port is a tilted pipe conduit having a tilt angle β to the central axis of the jetting body, and the fluid is jetted from the jetting port by receiving the effect of the swinging revolving motion at the tilt angle α and the rotating motion at the tilted angle β. The tilt angle α and the tilt angle β affecting the jetting of the fluid are fixed corresponding to the magnitudinous relationship between the revolution speed in the swinging revolving motion of the jetting body and the rotation speed of the rotating motion of the jetting body. COPYRIGHT: (C)2005,JPO&NCIP					
					
14.	Shower handset with flexible teats	GB0121377	2001-10-24	AQUALISA PRODUCTS*	
A shower handset having teats formed in an elastomeric plate wherein positioning of the elastomeric plate behind the spray plate causes the teats to deflect outwardly, the cross-sectional areas of outlet orifices increasing in response to increasing flow rate. <IMAGE>					
					
15.	A container	EP1312294	2003-05-21	KADO INDUSTRY*	
There is disclosed a liquid dispenser(200) having a body (202) for containing a liquid, the body (202) having a lower end from which a protrusion (204) extends, and the protrusion (204) includes two parallel grooves (206a, 206b) on its outer surface, and that most of the transverse cross-sections of the protrusion (204) are of non-circular shape. <IMAGE>					
					
16.	Assembly for coupling a fluid line to a rotatable nozzle	WO03099452	2003-12-04	JOHNSON & SON* S	
An assembly for coupling a fluid line to a rotatable nozzle of an automated sprayer for spraying the walls of a shower enclosure with a liquid cleanser. The sprayer dispenses the cleanser using a pumping system and rotatable spray head and has a showerhead mountable housing with an adjustable hanger. There is a portion of the housing for supporting a bottle of cleanser in an inverted fashion. The bottle is vented through a piercing post. A single motor both drives the pump and rotates the spray head. <IMAGE>					
					
17.	Shower hose comprising a two-way valve and two-way valve for a shower hose	WO03062542	2003-07-31	Fentrouci Hasne (I) HASNE FENTROUCI* HUSNEY FENTROCH	
The shower hose comprises a flexible element (2) connected to a two-way valve, having a body (3) with a core (4) arranged therein which is crossed by a longitudinal pipe (6) for the passage of water. The valve comprises a gate (5) actuator assembly, which can be displaced in a direction (D) perpendicular to the longitudinal axis of the pipe (6) between a position partially or completely closing the pipe and a rest position. The gate (5) actuator assembly also comprises an upper section (5a), extending out above the body (3) of the valve. Said upper section (5a) is preferably rounded to permit the displacement of the assembly from the rest position to the fully- or partially-closed pipe (6) position when the hose is inserted in a housing on a wall support for the shower with a shape complementary to the external shape of the body (3) of the valve.					
					
18.	Mobile shower device for human or veterinary hygiene comprises a single- or multi-chambered liquid tank attached to a pump unit, and shower rods connected to the pump unit directly or indirectly via a connector	DE10337811	2005-03-17	AUGUST REICHENPFADER GES M B H*	
Mobile shower device (1) comprises a single- or multi-chambered liquid tank (2) that can be reversibly or irreversibly attached to a pump unit (3) for cleaning purposes. One or more downstream shower rods (4) can be reversibly or irreversibly connected to the pump unit either directly or indirectly via a connector (17), or the shower rods can be pulled out of or inserted into the pump unit. Preferred Features: One chamber of the liquid tank can be filled with cold or hot water. Other chambers can be filled with disinfectants, skin care preparations, soaps or perfumed lotions.					
					
19.	Prevention system and preventing method against infectious diseases, and apparatus for supplying fluids	US20020050006	2002-05-02	SARAYA*	
The present invention provides a system and method effectively preventing infection, and provides a fluid supply apparatus (A) capable of being preferably used for the system. A fluid supply apparatus (A) is disposed near a doorway (61) of a hall of an ordinary household. The fluid supply apparatus (A) includes a water supply function by means of a water supply nozzle (32), a gargle discharge function by means of a gargle nozzle (34), a disinfectant discharge function by means of a disinfectant nozzle (38), and a sink (21). A body detection sensor (62) for detecting a human body who enters a room is provided above the doorway. When the body detection sensor (62) detected a body, a voice output apparatus (63) outputs a voice recommending to gargle and wash hand to this person. <IMAGE>					
					

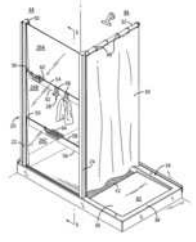
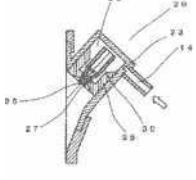
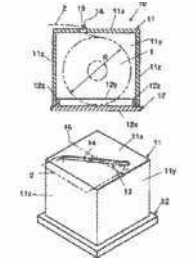
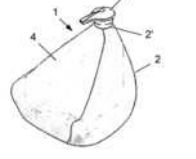
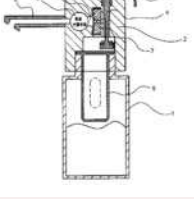
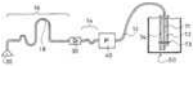
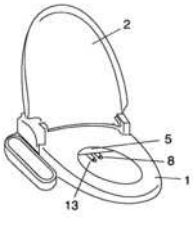
20.	Shower head	CN1833780	2006-09-20	OOKUMA HIROSHI*
A water-saving type shower head operable to reduce flow volume while maintaining a high discharge pressure. A diameter-reduced water passage (19) of a flow control member (20) disposed in a head portion (22) of a shower head body (12) has a first and a second water passage portions (40) and (41) provided on an entry side and an exit side thereof, respectively. The first water passage portion (40) has a small diameter, and the second water passage portion (41) has an inside diameter which is 1.5 to 3 times that of the first water passage portion (40). On an upstream side of the first water passage portion (40), a tapered diameter-reduced portion (43) reduced in diameter in a flow direction is formed, and on a downstream side of the second water passage portion (41), a diameter-increased portion (45) increased in diameter in the flow direction is formed.				
				
21.	Shower head for a sanitary shower	WO2006058717	2006-06-08	HANS GROHE*
A shower head for a hand-held shower attachment contains, in the center of its jet disc, an insert with three individual nozzle bodies. Each individual nozzle body is designed for discharging an individual jet. To this end, it has a continuous jet opening. Each of these individual nozzle bodies is mounted in a manner that enables it to move relative to the shower head and to the jet disc, and is placed in rotation by a water-driven rotor. Said continuous jet opening extends at an angle to the rotation axis of the individual nozzle body. When the individual nozzle body rotates, the jet exiting therefrom moves on an envelope of a cone. Each individual nozzle body contains an aerating device that aspirates the air immediately next to the outlet opening and, inside the individual nozzle body, mixes the air with the water entering this individual nozzle body. As a result, the individual nozzle body discharges an aerated jet.				
				
22.	Device for dispensing fluids and recovering fluid runoff	US6896157	2005-05-24	ALBRIGHT TREVOR RYAN
Disclosed is a device for dispensing fluids such as hand soaps. The device provides a recovery bin that captures run off or dripping fluid thus reducing or substantially eliminating waste of the fluid.				
				
23.	Spouting device	TW200404609	2004-04-01	TOTO*
PROBLEM TO BE SOLVED: To provide a spouting device which is provided with a nozzle for spouting water while rotating, suppresses a working cost and has the stably rotating nozzle. SOLUTION: The spouting device is provided with an inflow chamber into which hot water flows and the nozzle which spouts the hot water flowing into the chamber. An inlet is formed in the inflow chamber in such a manner that the hot water induces a spiral flow along the inner circumferential wall surface in the inflow chamber. The nozzle is formed of a nozzle body of an approximately columnar shape, a front end at one end of the nozzle body, and a weight part formed at the other end of the nozzle body. A water passage is formed along the axial direction of the nozzle and a spout communicated with the water passage is formed at the front end. Further, the front end of the nozzle is made to face the outside, the nozzle body is supported by the nozzle support of the inflow chamber, and the nozzle is made swingable by the spiral flow. The weight part is formed by partially cutting the side part of approximately the columnar shape. The spouting device is adequate for the case the water is spouted toward the human body. COPYRIGHT: (C)2004,JPO				
				
24.	Scalp cleaning nozzle	JP2003093927	2003-04-02	TOTO*
PROBLEM TO BE SOLVED: To solve a problem that it is impossible to thoroughly activate a scalp in a wide range because only a fixed part is repeatedly stimulated with a simple locus even when a prescribed time lapses. SOLUTION: The scalp is thoroughly activated in the wide range by combining a plurality of different loci and injecting water to stimulate many part with various loci without following the simple locus. Users do not feel it as artificial stimulus and receive the acceleration of blood circulation in a relaxed state.				
				
25.	Shower apparatus	AU2003902443	2003-06-05	TIARA INTERNATIONAL UNITED TECHNOLOGIES*
A shower apparatus (10) for use in the bathing of humans comprises: a housing (12) for mounting on a wall (8) over or adjacent a water supply point, a spray head (2, 4, 6) connected to the water supply point (24) by a hose, valve means for controlling the amount of water flowing to the spray head, mounting means (3, 5) for retaining the spray head on or in the housing, means for extending the hose (14, 15) from the housing when the spray head is manually removed from the mounting means, and means for stowing (28) the hose into the housing when the spray head is retained by the mounting means.				
				
26.	Dispenser	WO2006084920	2006-08-17	DEB IP* EVONIK DEGUSSA SHTOKKHAUSEN STOCK HAUSEN STOCKHANSEN STOCKHAUSEN
The invention relates to a dispenser for a substance, comprising a housing (1), a reservoir (2), a metering valve (3) and an actuator (4). In known dispensers, the metering valve (3) is positively coupled to the actuator (4) via coupling means when the metering valve is activated for the first time. The invention is characterized in that the coupling means can be activated by inserting the reservoir (2) into the housing (1) and by the respective relative movement between the housing (1) and the reservoir (2) in the direction of insertion (E), thereby eliminating an idle movement after insertion of the reservoir.				
				

27.	Wash-basin dispenser for soap or similar	DE20304358	2003-07-17	ERNST WAGNER*	The dispenser, operated with a handle (12) acting on a spring (5) moving a piston (6) in a cylinder (4) inside the housing (3) in order to transport the liquid soap to the outlet (9), can be attached to a base permanently joined to the rim of a washbasin. The dispenser is positioned on top of the base and rotated clockwise, causing a pin to move along a horizontal slot and to engage with the hook-shaped end of the slot being pushed by a spring. 
28.	Shower head for hand shower	KR20050121481	2005-12-27	SEUNG GWANG*	PURPOSE: A shower head of a shower is provided to save water by maintaining high showering pressure even with low water pressure through shape characteristics of water sprinkling holes and to improve durability by manufacturing in an insert injection-molding method. CONSTITUTION: A shower head(30) of a shower comprises a case(32); and a water sprinkling plate(34) combined with the case and formed with plural water sprinkling holes (34a). The water sprinkling holes are tapered in each diameter toward water outlet ports. In the sprinkling holes, a diameter(L1) of each water inlet port is 0.5-2 millimeters, and a diameter(L2) of each water outlet port is 0.1-0.5 millimeters. In another case, the water sprinkling plate is composed of a central unit formed in parallel to the front end of the case with a predetermined diameter; and a peripheral unit formed around the central portion and inclined toward the case. © KIPO 2006 
29.	Paste dispenser	IL148821	2002-09-12	ELY LEVY*	A dispenser for pastes is disclosed comprising a variable volume paste chamber (6), a dispenser nozzle (7) communicating with the chamber (6) for dispensing paste, a displaceable element (15) displaced by room pressure, as a result of a reduced pressure in the paste chamber (6), an actuating member (46,48), accessible from outside the container and displaceable from an inactive to an active position, an elastic element (39), a means (7,45) for applying a force to the elastic element (39) in such a way as to reduce the volume of the chamber (6), thereby causing said paste to be dispensed through said dispenser nozzle (7), when said actuating member (46,48) is displaced from the inactive to the active position, a kinematism (33,59) for kinematically connecting the actuating member (46,48) to the means (7,45) for applying a force to the elastic element (39) when the actuating member (46,48) is displaced to its active position, and for allowing the elastic element (39) elastically to return to its base configuration when the actuating member (46,48) is returned to its inactive position, and a support means (41,110) for holding the paste container in a predetermined position when a force is applied to the elastic element (39). <IMAGE> 
30.	Fluid delivery system with integrated light source	ITBO20030007	2004-07-08	VIABIZZUNO* VIABIZZUNO S R L	Fluid delivery system, in particular for showers, comprising: a first conduit (22) whose terminal section (20) flows into at least one outlet (26) for the delivery of a fluid jet in a preferential direction; a light source (52); and a second conduit (30) whose terminal section leads into at least one outlet (28) for the emission of a beam of light produced by the light source (52), and oriented essentially in parallel with the aforementioned preferential direction; characterised in that the terminal sections (20, 30) of the first and second conduits have at least one common wall (32) segregating the beam of light from the fluid, prior to its delivery. 
31.	Dispenser having variable-volume storage chamber and depressible one-way valve assembly for dispensing creams and other substances	WO2005072427	2005-08-11	INSUTIRU MEDICAL TECHNOLOGIES MEDICAL INSTILL TECHNOLOGIES MEDINSTILL DEVELOPMENT*	A dispenser has a housing, and a variable-volume storage chamber formed within the housing and defining a substantially fluid-tight seal between the chamber and exterior of the housing for storing a substance to be dispensed. A piston is mounted within the housing, and a one-way valve is mounted within the housing and coupled in fluid communication with the variable-volume storage chamber. A compression chamber is coupled in fluid communication between the piston and one-way valve, and at least one of the piston and valve is manually depressible relative to the other between (i) a first position in which the piston is located at least partially outside of the compression chamber for permitting substance to flow from the variable-volume storage chamber into the compression chamber, and (ii) a second position in which the piston is located at least partially within the compression chamber for pressurizing substance within the compression chamber above a valve opening pressuring and, in turn, dispensing substance through the one-way valve and out of the dispenser. 
32.	Sanitary washing apparatus	KR20030061687	2003-07-22	PANASONIC* PANASONIC ELECTRIC INDUSTRY	When a user sets water power using a water power adjustment switch in a remote control device, a controller controls the period of pressure fluctuations, the width of pressure fluctuations, and the central pressure of the discharge pressure of a pump on the basis of a signal transmitted by radio from the remote control device. When the user sets the divergent angle of washing water using a washing area adjustment switch in the remote control device, the controller controls the divergent angle of the washing water sprayed from a posterior nozzle on the basis of the signal transmitted by radio from the remote control device. Consequently, the washing water supplied to a side surface of a cylindrical swirl chamber from a first flow path in the posterior nozzle is sprayed from a spray hole as dispersed spiral flow, and the washing water supplied to a lower part of the cylindrical swirl chamber from a second flow path in the posterior nozzle is sprayed from the spray hole as linear flow. 
33.	Hand dryer	GB0515752	2005-09-07	DYSON JAMES DYSON TECHNOLOGY*	Hand drying apparatus (10) has a casing (12), a cavity (30) formed in the casing (12) for receiving for receiving a user's hands, a fan (40) located in the casing (12) and capable of creating an airflow, and a plurality of openings (60, 62) communicating with the fan (40) and arranged to direct an airflow transversely across the cavity (30). The cavity (30) has an entrance (32) delimited by a front edge (32a) and a rear edge (32b) in which the openings (60, 62) are located. The shape of the front and rear edges (32a, 32b) is such that, when in use the user's hands are introduced to the cavity (30), the distance between the user's hands and the nearest opening (60, 62) is substantially uniform. Alternatively, one of the edges (32a) is substantially straight and the other of the said edges (32b) is curved so that the distance between the said edges (32a, 32b) varies along the length of the cavity entrance (32). These arrangements enhance the drying efficiency of the dryer. 
34.	Water jetting device	WO02055795	2002-07-18	TODOSHI KIKAI TOTO*	A novel water jetting device achieves a water jet of a wide range and an economization of water without using an electric drive device. A water jetting body 10 is so assembled in a vortex chamber 4 with its water jetting spout 11 confronting the outside of the force receiving member 12 that a force receiving member 12 can oscillate in a position inclined in the vortex chamber 4. A vortex flow thus established in the vortex chamber 4 is caused to make a flow velocity difference around the force receiving member 12, and a force generated on the basis of the flow velocity difference is exerted upon the force receiving member 12 to oscillate the water jetting body 10 in the inclined position in the vortex chamber 4 thereby to jet the cleaning water in the vortex chamber 4 from the water jetting spout 11. 

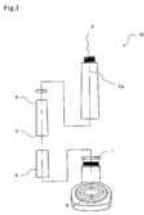
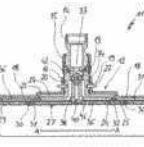
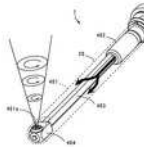
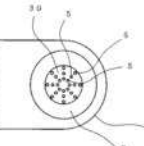
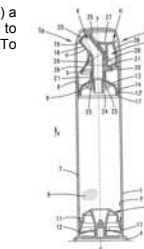
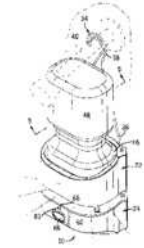
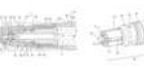
35.	Fluid jetting device	WO02068766	2002-09-06	KYORITSU GOKIN KYORITSU GOKIN MFG TOTO*	
A cleaning water jetting device (40) formed so as to rotate a nozzle by a fluid pressure and capable of reducing the size of the drive part of a pump for feeding fluid to a chamber and an operation cost, comprising an upper side through-hole (6A) recessedly formed in edge shape provided in the ceiling of the chamber (2) and a bottomed concave part (43) formed in round hole shape provide in the bottom surface thereof, wherein the nozzle (4) is installed by inserting a reduced diameter part (7) on a nozzle tip side at the nozzle tip side into the upper side through-hole (6A) and the bottom portion (44) into the concave part (43), and kept in such a state in the upper side through-hole (6A) as to face a cleaning fluid jetting port (5) toward the outside of the through-hole, to be rotated, and to allow the position thereof to be changed in a nozzle axis (O) direction, and can be revolved around the center axis thereof in the tilted attitude relative to the center axis (P) of the upper side through-hole (6A). <IMAGE>					
					
36.	Liquid container having cap with slit valve	JP2002347813	2002-12-04	YOSHINO KOGYOSHO* YOSHINORI CHO KOGYO	
A liquid container according to the present invention includes a container body (1) that can be resiliently deformed when grasped and pressed by user, and a cap (2) secured to a mouth portion of the container body (1). The cap (2) includes a cap body (2a) having an opening (O) in communication with interior of the container, and a slit valve (2b) having slits that can be opened to discharge a desired amount of a liquid within the container, with the container tilted and the container body (1) pressed. Further, the slits include a first slit (S1) that extends in a direction (T) in which the container is to be tilted, and a second slit (S2) intersecting with the first slit (S1). <IMAGE>					
					
37.	Dispenser for dispensing a fluid, housing for such a dispenser, storage holder destined for placement therein and arrangement for the dosed pumping of a fluid from a fluid reservoir	NL1019348	2003-05-13	BENTFIELD EUROPE TECHNICAL CONCEPTS BENTFIELD* TECHNICAL CONCEPTS BENTFIELD B TECHNICAL CONCEPTS A BENTFIELD A BE A BUI NETHERLANDS A NL 2 1 8 1 A H BEE A HILLEGON A AMPRESTRAL A 1 2	
A dispenser for the dispensing of a fluid, comprises a housing, fluid reservoir (3), placed in the housing, a pump (5) connected to the fluid reservoir (3), which comprises a nozzle (4) protruding from the pump (5) and an operating part (6), wherein, upon movement of the operating part (6) from an initial position in which flow of fluid through the pump from the fluid reservoir (3) to the nozzle (4) is substantially prevented, in a direction of pumping, fluid is pumped from the fluid reservoir (3) to the nozzle (4). The dispenser is further provided with resilient means (41, 43, 46), supported by the housing and with an engagement mechanism connected to the resilient means (41, 43, 46), which, upon movement of the operating part (6) from the initial position, exert a force opposed to the direction of pumping on the operating part (6) through the engagement mechanism. The nozzle (4) forms part of the operating part (6) and is at an angle relative to the direction of pumping. The engagement mechanism externally engages an area (39) of a part of the nozzle (4) protruding from the operating part.					
					
38.	Foam pump with spring	CA2517326	2006-10-22	GOTOKO COM INK OP HYGIENE IP* OPHARDT	
A spring 300 in combination with a spring housing 332; the spring 300 disposed internally within the spring housing 332 which is disposed coaxially surrounding the spring 300, the spring 300 having a wall 342 in the shape of a solid of revolution rotated about the axis 26 and defining a central cavity therein open at the first end of the spring and substantially closed at the second end of the spring, the wall 342 of the spring 300 when in the unbiased extended position having a greatest diameter at the first end and a least diameter at the second end, a plurality of openings 348 through the wall 342 of the spring 300, the openings 348 disposed symmetrically both circumferentially and axially relative to each other, the spring housing 332 having a side wall 336 with a first end and a second end, wherein in deflection of the spring 300 from the extended position to the compressed positions, the side wall 336 of the housing 332 disposed radially outwardly of the wall 342 of the spring 300 such that the side wall 336 of the housing 332 prevents deflection of the wall 342 of the spring 300 radially outwardly therepast to assist in maintaining the spring 300 coaxial relative to the housing 332.					
					
39.	Device for the transport, storage and dispensing of consumable, flexible articles for garages	DE102004016269	2005-07-07	HORN & BAUER*	
The device has a cardboard or corrugated paper transport and dispensing box (1) containing a flexible material supply reel and a holder (36) supporting the transport and dispensing box in a delivery position, for removal of individual items defined by perforations from the flexible material web. The holder has a guide axis for each supply reel and side wings (40) provided with angled guide slots (41) for receiving the ends of the guide axes, each transport and dispensing box having removable centre sections in their end walls for insertion of the guide axis through the supply reel, the box blocked from rotation in the delivery position to allow extraction of the flexible material web. An independent claim for a holder for reception of a transport and dispensing box for a flexible material is also included.					
					
40.	Method and apparatus for producing droplet spray	WO2004101163	2004-11-25	METHVEN* METVEN	
A spray head or spray head insert for use in at least one of a shower head, an industrial spray head and an agricultural spray head including a plurality of groups 2a, 2b, 2c of nozzles 20 to 27, each group of nozzles 20 to 27 having at least two nozzles 20 to 27 that are suitable for issuing jets of fluid from a surface of the spray head and are dimensioned and oriented so that fluid exiting the said at least two nozzles under pressure collides and interacts substantially unimpeded by surrounding structures, characterised in that following the collision the fluid breaks into droplets, in that the at least two nozzles 20 to 27 are orientated at an included angle of between 40° to 140°, and in that the spray head is shaped and dimensioned to create, in use, a turbulent fluid flow in each nozzle.					
					

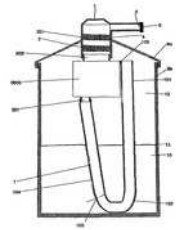
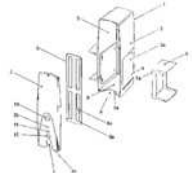
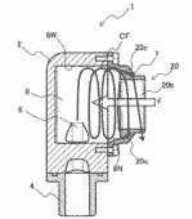
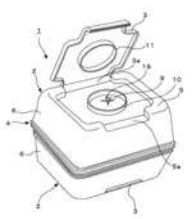
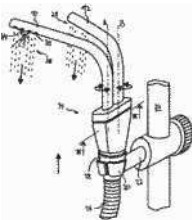
41.	Massage nozzle and massage system	JP2004136085	2004-05-13	TOTO*
PROBLEM TO BE SOLVED: To provide a massage nozzle, having freely adjustable suction force and suction range, and attaining stable suction force without controlling the angle of the massage nozzle, and a massage system using the same. SOLUTION: This massage nozzle includes: a revolving chamber having a water inlet provided to generate a rotary flow in the chamber, and a discharge port provided to discharge the rotary flow; and a guide part having a tip part projected over the discharge port. The distance from the water discharge port to the tip part is adjustable. COPYRIGHT: (C)2004,JPO				
				
42.	Vent plug for self-contained viscous liquid dispenser	US20050133537	2005-06-23	KIMBERLY CLARK* KIMBERLY CLARK WORLDWIDE
A self-contained viscous liquid dispenser having an improved vent valve is provided. The vent valve includes a plug member having a sealing ridge at its perimeter. The vent valve is activated at reduced pressure differentials between the inside and outside of the dispenser. The vent valve also provides redundant sealing capability.				
				
43.	Hand shower for e.g. bath mechanism, has tongue which axially fixes head at water, and flange and projections have sliding surfaces arranged with inclined undercut so that projections are secured in resting position	DE102005002426	2006-07-27	GROHE*
The shower has a sprinkler head (3) attached at a water supply. Elastic tongues (21) with resting projections are formed at the supply. The tongue grips in a plugging position behind a ring flange at a water distribution unit and axially fixes the head at the supply in a torque proof manner. The flange and projections have sliding surfaces arranged with an inclined undercut, so that the projections are secured in a resting position.				
				
44.	Rolled sheet storage container	JP2005178854	2005-07-07	LION*
PROBLEM TO BE SOLVED: To provide a container with which a rolled sheet can be quickly and surely cut along perforations by a simple operation to be removed. SOLUTION: The rolled sheet storage container 10 consists of a resin-made shaped body, and includes a hollow storage body 12 for storing the rolled sheet, and a sheet take-out part 22 having a plurality of flat plates 14 and 16 separated to permit part of the fed sheet to pass through. A slit-like sheet guide port 20 through which part of the rolled sheet can pass is formed on part of the storage body 12, and the flat plates 14 and 16 are formed to extend on the external surface of the body 12 to sandwich an opening of the guide port 20. In addition, at least one of the flat plates 14 and 16 is equipped with a protrusion 26 for narrowing the interval from the other flat plate, wherein the height of the protrusion 26 is equal to or larger than a thickness of the rolled sheet part. COPYRIGHT: (C)2005,JPO&NCIP				
				
45.	Portable liquid dispenser	BRPI0604349	2006-12-19	GOJO INDUSTRIES* JOSEPH KANFER JOSEPH S CANFU JOSEPH S KANFER KANFER JOSEPH KANFER JOSEPH S*
A portable liquid dispenser 10 includes a blow molded housing 12 defining a cavity within the entire interior thereof. A centralized walled aperture 30 is provided to receive an appropriate dispensing pump 34, the pump being configured to extend outwardly in a usable position and to lock in an inward position where the dispensing nozzle 40 of the pump 34 does not extend beyond the sidewalls 18 of the dispenser itself. A fill and relief valve 50 is provided to accommodate rapid filling of the dispenser during a manufacturing process, and to accommodate breathing of the container during the dispensing operation such that the unvented pump does not result in any distortion of the dispenser as the liquid therein is depleted.				
				
46.	Liquid dispenser	US20050211729	2005-09-29	MBHD* MBHD ENTPR
A liquid dispenser includes a body having an inner cavity for containing liquid, and an aperture providing access to the inner cavity. A push pump is fitted within the aperture. At least one height adjustable mount is connected to the body for releasably attaching the body to a surface. Preferably the body is conformingly shaped. An adapter can connect the liquid dispenser to a liquid container for filling the liquid dispenser.				
				
47.	Sanitary thin paper and method of manufacturing the thin paper, storage box for sanitary thin paper, storage body for sanitary thin paper, inter folder, and device and method for transfer of storage body for sanitary thin paper	WO02065885	2002-08-29	DAIO SEISHI*
Sanitary thin paper prevented from being ruptured at the time of extraction, wherein one or two sheets of stacked sanitary thin paper (3) are formed to have a tensile strength of 32 N/m or more in lateral direction at a dry time and 32 N/m or more in vertical direction at a wet time, and so that the tensile strength in vertical direction at the dry time is 2.5 to 3.5 times that in lateral direction at the dry time.				
				

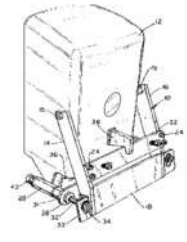
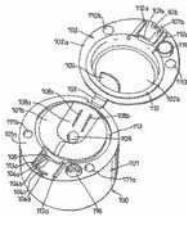
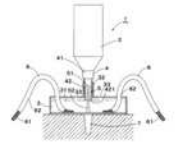
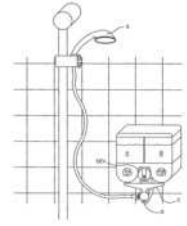
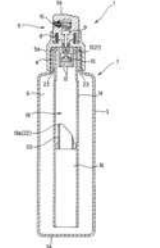
48.	Flow channel switching valve and shower system	WO2005031203	2005-04-07	KITAMURA ALLOY KITAMURAGOKIN IND KITAMURAGOKIN INDUSTRY* MYM
A channel switching valve (A) of the present invention includes a discharge hole (14) which discharges water having a proper temperature and a drain hole (15) which drains water having an improper temperature. A part of a first channel (11) extending from a hot water supply port (24b) to the discharge hole and a part of a second channel (11) extending from the hot water supply port to the drain hole are common. Therefore, the channel switching valve can be compact.				
				
49.	Washing nozzle	JP2003170082	2003-06-17	TOTO*
PROBLEM TO BE SOLVED: To provide a washing nozzle for turning a turn member by force received directly from kinetic energy of washing water supplied into a turn chamber and lift and a centrifugal force generated by the kinetic energy capable of being manufactured simply, starting swing in the turn member securely, and reducing slide resistance of the turn member. SOLUTION: This washing nozzle is provided with the turn chamber in which washing water is supplied along a peripheral face of a cylindrically formed chamber and the turn member in which a water discharge flow passage whose one end protrudes from a through-hole in the turn chamber and whose other end can rotate freely in the turn chamber is provided. The turn member turns by the force received directly from the kinetic energy of the washing water supplied into the turn chamber and the lift and the centrifugal force generated by the kinetic energy in this washing nozzle. A projection interfering with the turn member is provided on a central axis of the turn chamber on a face opposing to a locus on which the turn member rotates. COPYRIGHT: (C)2003,JPO				
				
50.	Paste dispenser for a squeezable container	TWI236452	2005-07-21	QIU GUANXUAN;QIU HONGYONG
A paste dispenser for a squeezable container comprises a flexible container, at least one check valve, and a resilient piston. The flexible container which is filled with a paste material has an outlet and an air inlet at its two end. The check valve is positioned in the paste outlet. The resilient piston is slidably received in the flexible container to separator a remaining paste compartment and an exhausted compartment of the flexible container. When the flexible container is squeezed, the paste flows through the outlet and the check valve, and then the change of inner pressure in the flexible container moves forward the resilient piston so as to reconcentrate the paste for efficiently squeezing paste for next operation.				
				
51.	Container with overhead foam applicator	WO2007068299	2007-06-21	HENKEL*
Container (1) which is shaped in order to receive at least one flowable product (2, 22), wherein the container comprises at least one air space (3, 23, 38) and has at least one wall (4, 5, 6, 7) which is deformable, at least in some sections, and is suitable, in the deformed state, to bring about an increase in pressure within an air space (3), said container comprising at least one mixing chamber (8, 28) and at least one connecting element (9, 19) which connects the mixing chamber (8, 28) to the air space (3, 23), in which container, when there is an increase in pressure in the air space (3, 23, 38), air and the flowable product (2, 22), which, at room temperature, has a viscosity of less than 250 mPa's and a proportion of foaming agents of greater than 10% by weight, can be brought together in the mixing chamber (8, 28) in an essentially turbulent manner.				
				
52.	Pivoting piston head for pump	US6557736	2003-05-06	HYGIENE TECHNIK*
A piston for a pump in which on the piston being moved in one direction, a disc tilts out of a coaxial sealed orientation with the chamber to assist in permitting fluid flow therpast, preferably, the disc tilts by reason of the stem of the piston being deflectable on the piston being moved in the one direction.				
				
53.	Liquid soap dispenser	JP2006271404	2006-10-12	KOITO INDUSTRIES* TOTO*
PROBLEM TO BE SOLVED: To provide a safe and comfortable liquid soap dispenser not to erupt liquid soap if a liquid soap spout is closed by hand because of failure of a user or mischief. SOLUTION: The liquid soap dispenser 1 comprises a sensor 8 for detecting approach of a human body and a spouting channel 6 for changing liquid soap, which is fed from a liquid soap tank by a liquid soap pump operated based on a detection signal from the sensor 8, to mousse soap MS and spouting the mousse soap MS from a distal end opening 6c. The spouting channel 6 has a double-tube structure consisting of a liquid feeding tube as the channel of the mousse soap MS and an outer insertion tube into which the liquid feeding tube is inserted with gap which communicates with atmospheric air through a plurality of perforation parts. The distal end opening of the liquid feeding tube disposed inside the outer insertion tube 6a is disposed on the upstream side from the distal end opening 6c of the outer insertion tube 6a. COPYRIGHT: (C)2007,JPO&INPIT				
				
54.	Wall mounting for hand showers comprises block with c-shaped groove, into which sleeve slides which corresponds to shape of base of shower head	CN1799481	2006-07-12	HANS GROHE*
The wall mounting for hand showers comprises a block (1) with a C-shaped groove. A sleeve (10) slides into this which corresponds to the shape of the base of the shower head.				
				

55.	Multi-piece wall bathing enclosure	US20050188459	2005-09-01 KOHLER*
A bathing enclosure has a wall arrangement which supports one or more hanging accessories, such as a towel hook, soap dish and bottle rack. Multiple wall sections are mounted so that their top and bottom edges are spaced apart to create a lateral gap therebetween. The gap permits a hanger end of the accessories to fit up and over the upper edges of the wall sections. The accessories can be slid horizontally in the gap and either extend to the inside or outside of the enclosure. Preferably, adjacent wall sections overlap vertically and tilt backward toward the inside of the enclosure from top to bottom.			
			
56.	Airflow jetting nozzle and blowing apparatus	JP2003251228	2003-09-09 TOTO*
PROBLEM TO BE SOLVED: To provide an airflow jetting nozzle for jetting airflow which draws a spiral locus in a conical form to blow water drops away for dehydration. SOLUTION: A jetting body 30 is incorporated in a swirling chamber 25 so that a force receiving part swings in a tilted attitude in the swirling chamber 25 with a jetting port 35 facing the outside of the swirling chamber 25, and the airflow is introduced into the swirling chamber 25 from the tangent direction. The difference of the flow rate around the force receiving part is induced in the swirling flow occurring in the swirling chamber 35 in this way, the force induced according to the difference of the flow rate is given to the force receiving part, and the force receiving part in the tilted attitude in the swirling chamber 25 causes the swing motion of the jetting body 30 to jet the airflow in the swirling chamber 25 from the jetting port 25. COPYRIGHT: (C)2003,JPO			
			
57.	Roll paper holder	JP2002347779	2002-12-04 EBISAWA YOSHIKO
PROBLEM TO BE SOLVED: To provide a paper holder which is easily handled, has excellent functions, and easily maintains excellent external appearance. SOLUTION: As a replacement for a conventional roll paper holder in which a roll paper formed in a cylindrical shape with a diameter R and a width W by rolling a paper or a plastic sheet is stored, the roll paper holder is provided with a face plate composing a face containing a standard line which is parallel to the center shaft of the roll paper, and a pair of flat plates which are orthogonal to the center shaft of the stored roll paper and opposed thereto in parallel with a slightly larger inside measure size distance than the width W. In this holder, the face plate has an opening part in a slit shape in which at least one part of the edge extending in the longitudinal direction crosses the standard line.			
			
58.	A dispenser for liquid	IL172897	2006-06-11 ERAN MESSALEM KLIR CHEMICALS MARKETING KLIR CHEMICALS MARKETING 1994*
The invention is a dispenser for a liquid. The dispenser comprises a container containing the liquid and a pump affixed to the container for moving the liquid from the inside to the outside of the container. The dispenser is characterized by the three dimensional shape of the container in which the relationship between the surface area of its base to its height is such that, the dispenser will not move or topple over when the pump is actuated. An additional characterizing feature is a portion of the surface area of the container, which is located below the outlet of the pump. This portion is shaped such that a receiving means for the liquid can be placed upon the portion and will remain in position when the pump is actuated to dispense the liquid onto its surface. These characterizing features allow the liquid to be dispensed using one hand only providing a dispenser for liquid which combines the features of simplicity, ease, and low cost of manufacture with efficiency and ease of operation, sterility, and accurate provision of the liquid with no spillage or wastage.			
			
59.	Water discharging apparatus	JP2004000578	2004-01-08 TOTO*
PROBLEM TO BE SOLVED: To provide a water discharging apparatus in which stimulating feelings, cleaning power or a beauty or health promotion effect of a gas is sufficiently obtained by effectively utilizing the gas resolved in liquid. SOLUTION: This water discharging apparatus is provided with a sealed container 1 in which a sealed space is formed, a water passage 3 whose one end is communicated to the sealed space and whose other end is communicated to the outside the sealed space, an opening/closing valve 4 for opening/closing the water passage 3, and a gas/liquid separating means 6 provided on the other end of the water passage 3 for increasing a content of air bubbles in the liquid. The liquid stored in the sealed space and pressurized by the gas is discharged from the gas/liquid separating means 6. COPYRIGHT: (C)2004,JPO			
			
60.	Liquid dispenser	JP2004254857	2004-09-16 PATHFINDER*
PROBLEM TO BE SOLVED: To provide a liquid dispenser by which a degree of freedom is raised in installation places of elements including a tank and a check valve and the tank is easily replaced, by minimizing the influence of remaining liquid such as a detergent due to the repetition of the immersion state and the drying state of a detergent liquid or an antiseptic solution with respect to the check valve or a pump and a liquid amount sensor arranged inside the tank for storing liquid. SOLUTION: The liquid dispenser comprises a liquid sucking tube arranged inside the tank and a duct for connecting the liquid sucking tube with a discharge port via the pump and the check valve. The duct connected to the discharge port has an inverse U shape part for giving a difference in levels of liquid. The liquid amount sensor for detecting the level of liquid inside the tank is attached to the liquid sucking tube. COPYRIGHT: (C)2004,JPO&NCIP			
			
61.	Washing nozzle and toilet device using the same	WO2004083539	2004-09-30 PANASONIC* PANASONIC ELECTRIC INDUSTRY
A washing nozzle of a toilet device has a flat part in its tip, and a jet hole for jetting washing water is provided in the flat part. The flat part and a tubular main body are monolithically joined together by a continuous face. This washing nozzle is manufactured by deep-drawing a thin sheet metal material and providing the flat part in its tip. Besides, a flow adjusting member for adjusting a flow of the washing water is internally inserted. These nozzles are stable in their jet directions, further crud is difficult to adhere thereto, and they are easy to be cleaned.			
			

62.	Dispensing system	WO2004004529	2004-01-15	CELESTE INDUSTRIES* CELESTIAL INDUSTRIES	Various embodiments of the present invention relate to a dispensing system for use in lavatories. The system may include a container, a mount, and optionally, a conversion module. The container may have an attached dispensing mechanism and a projection that is adapted to fit into a receiver on the mount or conversion module. The receiver may be adapted to engage the projection on the container. The assembled system secures the container into the mount and allows the container to be rotated to a proper orientation while it is secured to the mount.	
63.	Flexible pipe packed cream-like article extruder	CN2719741	2005-08-24	JIN LIREN	The utility model relates to a flexible pipe-packed cream-shaped article extruder which comprises a base and a flexible pipe reel, wherein the base is provided with a hole capable of movably containing the flexible pipe reel and a long narrow groove which is parallel to the hole and is communicated with the hole. The utility model is characterized in that a movable pushing piece is arranged in the hole containing the flexible pipe reel and is connected to the base through an elastic piece. The reel and a movable flexible pipe coiled around the reel are movably pushed on the inner wall of the containing hole through the pushing piece and are applied with certain pressure through the elastic piece, and thus, the utility model prevents the flexible pipe and the reel from falling off as well as does not affect the normal rotation of the reel, and effectively eliminates the swing and rock of the reel during rotating so as to make the reel stably and smoothly rotate. When the utility model is used, the tail of the flexible pipe is fixed on the reel which is inserted in the hole of the base, and meanwhile, the flexible pipe is inserted along the long narrow groove, the reel is rotated by hands, the flexible pipe is pressed when passing through the long narrow groove, and thus, a cream-shaped article is easily and quickly extruded; the cream-shaped article in the flexible pipe can be integrally extruded so that the waste is avoided.	
64.	Dual component dispenser	GB0505601	2005-04-27	GOTOKO COM INK HYGIENE TECHNIK*	A method and apparatus for extruding the first fluid capable of foaming through a porous member to produce a first foamed extrudate while simultaneously dispensing a second flowable material preferably containing particulate matter adjacent the first extrudate.	
65.	Dispenser for rolled sheet material	US6964395	2005-11-15	KIMBERLY CLARK* KIMBERLY CLARK WORLDWIDE	A dispenser (10) adapted to dispense sheet material (50) therefrom is provided and includes a housing (12) configured to support a centerflow roll of sheet material therein, the housing having an exit port . The dispenser also includes a first tubular member (22) and a second tubular member (40), and the sheet of material (50) flows over at least a portion of both the first and second tubular members (22,40) on a circuitous path to the exit port.	
66.	Support to releasably secure an object on a wall and plug-in element for such a support	EP1632161	2006-03-08	HAILO WERK RUDOLF LOH*	A rectangular base (11) with a hollow pipe section (11a) protruding from its center is screwed to the bathroom wall. A cover assembled of a front shell (12) with a central opening and a cylindrical sleeve (13) are attached to the front of the base (11) and a push button (14) with a pin-shaped lower extension to the top. An elastic holding element is inserted into the pipe section (11a) for carrying a small item. The element can be released by pressing the button (14).	
67.	Aroma generator	JP2007061308	2007-03-15	NORITZ* NORITZ ELECTRONICS TECHNOLOGY*	PROBLEM TO BE SOLVED: To provide an aroma generator simplifying the structure and assembly and having sure watertightness and waterproof property in the aroma generator capable of floating on a bathtub with aroma generating liquid stored therein and emitting a soft light. SOLUTION: The external shape of this aroma generator 1 has a spherical shape. Its upper end is provided with an opening 2 and the aroma generating liquid 65 is put therein from the opening 2. The lower part incorporates a battery 10 and an LED (light emitting diode) 11 to emit the light. This aroma generator 1 comprises a case member 3, a cover member 5 and an exterior member (a shade member) 6. A packing member 7 is provided around the cover member 5. The packing member 7 comes into close contact with three parts, the case member 3, the cover member 5 and the exterior member 6 and secures the watertightness of a liquid storage part 62 and the watertightness of the case member 3. COPYRIGHT: (C)2007,JPO&INPIT	
68.	Shower head with water-cleaning function	JP2003211029	2003-07-29	JUN TSUSHO*	PROBLEM TO BE SOLVED: To provide a shower head with a water-cleaning function in which restrictions in the shape, the structure, the holding volume, or the like, of a water quality selector valve, are greatly eased, and which has a well-balanced shape and structure on handling. SOLUTION: A cartridge for cleaning water quality is built in a grip part. A water-cleaning flow passage which passes through the cartridge, and a raw water flow passage which does not pass through the cartridge are formed by the built-in of the cartridge. A flow passage selector valve which switches the flow passage between the water-cleaning flow passage and the raw water flow passage is incorporated in the head. A straight discharge port is juxtaposed at a place where a shower discharge port is formed. A discharge selector valve is incorporated to switch a discharge from the straight discharge port to a discharge from the shower discharge port. The flow passage selector valve and the discharge selector valve are formed so as to be individually operated from the outside of the head. COPYRIGHT: (C)2003,JPO	

69.	Water-activating shower apparatus	JP3098957	2004-03-18	SAISEIKO* YOSHIMITSU DAISY	There is provided a water-activating shower apparatus that emits activated hot or cold water without requiring a separate particular space where water is to be activated. An activated-water generating part filled with a large number of ceramic materials that radiate far-infrared rays is attached to the showerhead and/or to a pipe-connecting part upstream thereof. This water-activating shower apparatus activates the hot or cold water by far-infrared rays before the hot or cold water is emitted from the showerhead. The activated-water generating part is constituted (a) in an accommodation chamber that is formed in the showerhead, or (b) in an attachment member for attaching the showerhead. 
70.	Product dispenser accessory for children	US20060027596	2006-02-09	PROCTER & GAMBLE*	An accessory is provided for a product dispenser (24) having a container for holding a product. The container (26) defines a center axis (36) and has a normal dispensing position, and a dispensing mechanism is coupled to the container (26) and has a discharge opening (44) adapted to direct product toward a desired target area when the container is in the normal dispensing position. The accessory is a first stabilizing element coupled to at least one of the container (26) and dispensing mechanism and adapted to maintain the container (26) in the normal dispensing position, thereby to more reliably direct product toward the target area during use. The first stabilizing element incorporates at least one physical feature attractive to a child. 
71.	Shower head with air introduction	WO2004052550	2004-06-24	HANS GROHE*	A shower head with a housing and a jet outlet surface can be achieved with an example embodiment of the invention. An adjuster device is provided on one side, for adjusting the supply of water to individual or all regions, into which the jet outlet surface is divided. The above can be a central small region and the region surrounding the above. Furthermore, an air supply device is provided for aerating the water jets. The air supply device is simultaneously operated with the switching between the regions. 
72.	Sanitary washing apparatus	WO2004097125	2004-11-11	PANASONIC* PANASONIC ELECTRIC INDUSTRY	Since the inner diameter of a flow-contracting portion continuously decreases toward a cylindrical swirl chamber, the velocity of flow of washing water flowing in the flow-contracting portion continuously rises. Since the inner diameter of the flow-contracting portion continuously decreases toward a spray hole, the velocity of flow of the washing water flowing in the flow-contracting portion continuously rises. Washing water supplied to one of flow paths in a two-flow path pipe is supplied to a flow path merger through a one-flow path pipe. The washing water supplied to the other flow path in the two-flow path pipe is supplied to the flow path merger after passing through a space between the one-flow path pipe and a nozzle cover. Washing water sprayed from a nozzle cleaning hole flows out of an opening at a front end of a nozzle cleaning cylinder along an outer peripheral surface of a piston while being spirally swirled in a space between an inner wall of the nozzle cleaning cylinder and the outer peripheral surface of the piston. A position fixing member having a curved shape along an inner surface at a front end of the nozzle cover is formed at a front end of the flow path merger. While a posterior nozzle moves from a forward position to a backward position, dispersed spiral flow and linear flow are alternately sprayed. 
73.	Water spouting device	JP2003304980	2003-10-28	SANYO ELECTRIC TOTO*	PROBLEM TO BE SOLVED: To provide a water spouting device capable of giving a massage, economizing water or enhancing detergency by varying spouted water flows without the need for a large flow or pressure and yet with a simple structure. SOLUTION: The device comprises a water circulating chamber and a swinging body in a nozzle to make the swinging body perform precession by way of a circulating flow generated in the water circulating chamber. In addition, the swinging body is held by a flexible gripper, so that the orbital motion of the swinging body periodically deforms the gripper. Moreover, the gripper comprises water spouting openings. Accordingly, when the gripper is deformed, the water spouting openings are also deformed to cause a change in the flows of wash water spouted from the opening, so that the device can swing the spouted water flows or periodically change them in flow or flowing shapes. COPYRIGHT: (C)2004,JPO 
74.	Dispenser for the apportioned delivery of pasty substances	WO03097486	2003-11-27	SCHUCKMANN ALFRED VON	The invention relates to a dispenser (Sp) for the apportioned delivery of pasty substances (8/9), comprising a tubular housing (1), in which a plunger (10) advances towards (x arrow) a discharge nozzle (18), when a discharge grip is actuated. A deformable head (13) that can be depressed in the direction of the plunger (10) and actuated by a grip (H) is allocated to said nozzle, together with a locally fixed cover (20) that seals the opening cross-section (19) of the nozzle. The aim of the invention is to ensure that the dispenser is easy to use. To achieve this, the discharge nozzle (18) pivots sideways under the cover (20) when the grip is actuated. 
75.	Automated cleansing sprayer	US20020148908	2002-10-17	JOHNSON & SON*	The invention is an automated sprayer (20) for spraying the walls of a bath and shower enclosure with a cleanser. The sprayer has a housing that can be mounted inside the shower enclosure and that defines a tray (22) in which an inverted bottle (48) of cleanser is stored. The bottom of the tray has a tube (56) extending downwardly along a longitudinal axis through which the cleanser can pass. A motorized head (26) disposed beneath the tube can be rotated about the axis for metering cleanser from the bottle and spraying cleanser outward. The sprayer includes timer circuitry that delays commencement of a spray for a set time and automatically stops spraying after a predetermined period. The sprayer also includes a system for signaling the beginning of a spray cycle including audio and visual alarms. An automated method of cleaning the shower enclosure is also disclosed. 
76.	Applicator	US20050063768	2005-03-24	TOKIWA*	To prevent leakage, excessive discharge and stagnation of a liquid material applied by an applicator, the applicator comprises a core member 2 having a hole portion 2a, a projection portion 2f and a communication hole 2j, an application member 3 made of an elastic material having a discharge hole 3f, and an inside space 4 between the front end side of the core member 2 and the application member 3, and structured such that the liquid material flows to the discharge hole 3f through a roundabout way via the hole portion 2a, the communication hole 2j and the inside space 4 to cause fluid resistance and that the front face of the projection portion 2f is close to or in contact with the discharge hole 3f to control discharge port of the liquid material. 

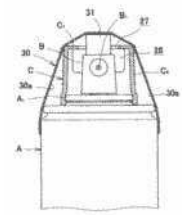
77.	Adapting a dispenser to produce foam	EP1747815	2007-01-31	SANNIER GERARD*		
The device has a supply conduit (1) that is open at its ends in which one end is connected to an inlet (301) of a pumping chamber. A part of the conduit circulates below the level of a foaming liquid (10). The conduit is connected at the ends by keeping absolute separation between the interior and exterior of the conduit, except for a suction hole (103). The hole is provided in the conduit below the liquid level (11). The size of the hole is such that the liquid does not circulate via the hole, except during circulation of air in the conduit, at a speed greater than a preset speed.						
						
78.	Fluid spray simulation method, computer program, object to be sprayed, bath, bath manufacturing system, and spray nozzle	WO2006011392	2006-02-02	PLANT ENGINEERING* UNITED PACIFIC INDUSTRIES		
To provide a fluid spray simulation method for verifying a sprayed state of a sprayed object by a spray nozzle so as to reflect a physical orbit of fluid sprayed from the spray nozzle. [Means for solving the Problem] A bath model is created by TIN data and each of the apexes of the bath model is moved downward in accordance with mathematical expressions of a distance from a spray nozzle and a gravity orbit. A ray tracing calculation is performed to specify a portion shaded by light from a light source positioned at a position of the spray nozzle. After this, the apexes of the bath model which have been moved downward are returned to their previous positions and visualized, thereby enabling fluid spray simulation reflecting a physical orbit considering the affect of gravity of a cleaning solution sprayed from the spray nozzle.						
						
79.	Diaper dispenser	DE10161617	2003-02-20	KOHNE MICHAEL* KOHNE, MICHAEL KONE Mikhel' (DE) Kohne Michael (I) MICHAEL KOHNE MICHAEL KORN	○ ○	
The dispenser has a container (1) for storing a stack of baby diapers, with an extraction opening (8) between the container front wall (2) and its base (9) for removal of a single diaper, a notch in the bottom edge (2c) of the front wall providing a grip opening (7), the front wall itself acting as a snap-fitted cover for the housing.						
						
80.	Massage nozzle and massage device	TW200526188	2005-08-16	TOTO*		
A massage nozzle, characterized by comprising a swirl chamber having a water inlet formed to form swirl flow in a room, a water outlet formed to discharge the swirl flow to form a negative pressure area and a water spray plate installed at the tip of the water outlet, having an opening at the center thereof, and having a plurality of water spray holes around the opening. Since the water spray plate is installed, even when the nozzle is opened to the atmosphere, water does not spatter to the surroundings, a large area can be sucked, and when the nozzle is moved in contact with a skin, it can be smoothly moved. Also, the massage nozzle is characterized by comprising a movable element which is at least partly inserted into the swirl chamber and has an opening for acting the negative pressure area on the outside and in which the portion partly inserted in the swirl chamber comprises a first portion larger in outside dimension than the water outlet. In addition to a sucking massage effect, a large massage effect by the physical vibration of the movable element can be provided.						
						
81.	Housing container of sheet-like item	JP2003137300	2003-05-14	YOSHINO KOGYOSHO*		
PROBLEM TO BE SOLVED: To provide a housing container of a sheet-like item enabling housing and taking out two kinds of sheet-like items. SOLUTION: The housing container 1 of a sheet-like item comprises a pair of container bodies 2 in which a taking-out portion 10 is mounted on a top wall 5, a circumferential wall 6 having a securing step portion 7 in the outer circumference of the lower edge portion is suspended from the circumference of the top wall 5 and a cover 3 having a securing portion 11 on the downward surface is openably closably rotatably bound to closely engage in and clog taking-out portion 10 and a bottom plate 4 in which circumferential edge portions are formed as flange portions 13 on both surfaces of the flat plate 12 and a short cylindrical securing protruding portion 14 is protrudingly circumferentially arranged to be secured to the securing step portion 7 wherein the securing step portion 7 is secured to a step portion 14a of the securing protruding portion 14, the lower edge portion of the circumferential wall 6 of the container body 2 is closely engaged in each of the both the securing protruding portions 14 of the bottom plate 4 whereby two sheet-like items can be housed in the housing container 1.						
						
82.	Adjustable geometry shower head has two spray arms fitted to a common supply housing and with opposing interlocked swivel adjustment about vertical axes to adjust the overall spray pattern	DE20308305	2004-10-07	EHMEIER MAX*		
An adjustable shower head has a single supply hose (16) connected into the bottom of a common supply housing (14) which supports two separate outlet arms (10, 12) set with swivel adjustment into the top of the housing. The arms swivel a maximum of 45 deg. in opposing directions and are interlocked by a gearing inside the common supply housing. The heads are adjustable from an adjacent parallel position to a spread position at 90 deg. to each other.						
						

83.	Self-metering dispensing device	US20030189066	2003-10-09	DIVERSEY JOHNSON DIVERSEY* JOHNSON DIVERSEY WISCONSIN USA 5 3 1 7 7 0 0 2 STARTER BAND SIXTEEN STREET 8 3 1 0 S C JOHNSON COMMERCIAL MARKETS	
84.	Dispenser pump	WO2004073879	2004-09-02	INCRO* INKROLIMITED	
85.	Disposable bidet nozzle to be mounted on showerhead	JP3787787	2006-06-21	SEIGEN*	
86.	Liquid feeding mechanism	JP2005185280	2005-07-14	ARITA NORIHIKO	
87.	Device to supply soap foam to a shower	ITRM20020543	2002-10-29	DE SIMONE FIORENTINO De Simone Fiorentino FIORAN DINO DE SIMON FIORENTINO DE SIMONE* SIMONE DE FIORENTINO	
88.	Water discharger	JP2005219758	2005-08-18	TOTO*	

89. Gas releasing tool of aerosol container WO2006070888

2006-07-06 EARTH CHEMICAL*
UMEMOTO SEISAKUSHO

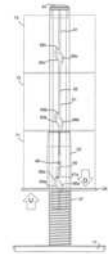
A gas releasing tool of an aerosol container (A), comprising a pressing means (1) maintaining a push button (B), a trigger (T), or an operation member (S) for the push button in an operated state. The pressing means (1) is formed of a flexible band-like body (30) having, at least at its both ends, adhesive layers (30a) adhered to the body part of the aerosol container (A) so that a pressing body can be installed thereon. The pressing means is formed in a roughly M-shape in cross section, comprises the pressing part (11) of the push button (B) of the aerosol container (A) at its roughly center part, comprises a suspension body (12) at its both ends, and comprises a hook part (13) to the inner windup part (A1) of the aerosol container (A). Thus, the gas releasing tool can easily and safely perform gas releasing operation without requiring a force.



90. Dispensing canister with indexing means US20060254431

2006-11-16 HELEN OF TROY*

The present invention provides for a canister and an indexing apparatus that provides for automatic positioning of items in predetermined indexed positions when items are added or removed therefrom, without need of an external tab or positioning member to be adjusted by a user's hand. Merely by adding or removing the items to or from the canister, the items are automatically positioned. A pole having a track with positioning members receives a finger of a platform that rides in the track and automatically adjusts the platform's position when items are placed on or removed from the platform.



91. Refrigeration appliance with an inner container and fastening device for fastening a telescopic rail to the inner container WO2004010012

2004-01-29 BSH HAUSGERAETE*

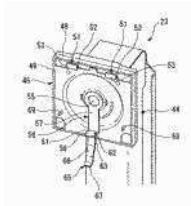
Disclosed is an element for fastening an object to a wall, comprising a head (10a), a neck (10b), and a base (10c) which are successively arranged in the direction of an axis (A). The neck (10b) has a circumference having a first radius. The base (10c) supports a collar (14) which protrudes from the circumference and has a second radius that is greater than the first one while a portion of the circumference of the head (10a) supports lateral projections (13) which extend past the first radius.



92. Structure for connecting display and supporter, display, stand, and attachment WO2007074742

2007-07-05 NEC DISPLAY SOLUTIONS*

A structure for connecting a display and a supporter, capable of supporting the display even if it is medium sized or relatively large sized and of being easily attached and detached. The structure has a structure for connecting the display (10) and a supporter (23) that is connected to the backside (19) of the display (10) and supports the display (10). The supporter (23) has an upward fixing claw (51), a movable claw, and an operation section for moving the movable claw. On the backside (19) of the display (10) are arranged an engagement hole (26, 27) with which the fixation claw (51) engages and an engagement groove (32, 33) with which the movable claw engages.

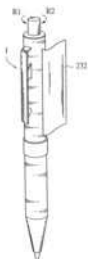


93. Pen with paper dispenser KR200353703

KR200353703

2004-06-23 TAIWAN MINDCATCHER*
TAJUAN MAJNDKEHTCHER INK

A paper dispenser includes a reel tube having a lateral opening and a cavity, a central shaft disposed inside the cavity, a set of spring for shaft with one end inserted and fixed on the central shaft while the other end is connected with the beginning end of the reel. The spring set for shaft rotates in accordance with the central shaft and can release paper through the lateral opening or furl paper back to the cavity. An annular leafspring set for the paper roll is installed between the reel tube and the spring set for shaft. When paper is released, the stretching force of the spring set for shaft along radial direction pulls the paper roll out. When the paper roll is curled back to the tube, the compressing force of the spring set for shaft along radial direction provides part of the cavity for receiving paper.



94. Roll paper holder JP2007076724

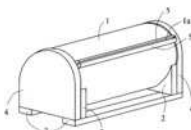
JP2007076724

2007-03-29 NIPPON PAPER CRECIA*

PROBLEM TO BE SOLVED: To provide a roll paper holder which can house roll paper independently of whether or not the roll paper has a core, has high seal to prevent the roll paper from becoming dirty and getting wet, can be free re-installed at another position, and enables easy take-out of the housed roll paper.

SOLUTION: The roll paper holder comprises an approximately cylindrical housing body 1 having a taking-out opening 1a formed linearly along the outer surface to pull out the roll paper, a support part 2 turnably and removably supporting the outer surface of the housing body 1, foots 3 capable of being flatly placed, and a pair of side plates 4 fixed to both ends of the foots 3 keeping a slightly broader space than the length of the housing body 1 and covering both right and left openings of the housing body 1. The support part 2 is fixed to the foots 3 and/or the side plates 4.

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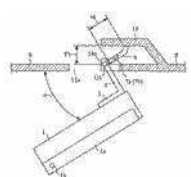


95. Structure for preliminary fixation of information apparatus WO2006137208

WO2006137208

2006-12-28 MITSUBISHI ELECTRIC*

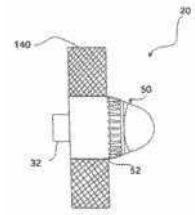
A structure for preliminary fixation of an information apparatus has one engagement section (14a) provided at the ceiling of a room, the other engagement section (7a) provided at an information apparatus (1) and swingably engaged with the one engagement section (14a), and a stopper for preventing swing of the information apparatus (1) by moment induced by its self-weight acting on the information apparatus (1) when the engagement sections (14a, 7a) are in an engaged state.



96. Water distributor device for aquariums, ponds and the like provided with a possible biological filter ITVE20020023

2004-01-12 DOLL E ES EARL ELE
HYDOR*
HYDOR BASSANO DEL GRAPPA

In a water distributor device for aquariums, ponds and the like, comprising a main body (30) wherein an impeller (70) is inserted, the impeller (70) is rotated by entering water and is kinematically connected by gears to a nozzle (50) rotatably mounted on the main body (30) and the gears continuously rotates said nozzle (50).



97. Sanitary washing unit and sanitary water tap EP1593782

2005-11-09 NEOPERL*

The unit (1) has a hand wash basin (2) and at least one sanitary outlet fitting (3) with at least two separate outlet openings (4) for producing visibly separate outflowing water jets (5). The longitudinal axes of the outlet openings, which determine the outflow directions of the water jets, are arranged at an angle to each other so that the jets at least partly overlap or diverge in the region between the openings and the impact point in the basin to prevent water splash in the basin area. An independent claim is also included for a sanitary outlet unit.

